

User Manual

BAVONO BVO304P

Ultra Wide Dynamic Range Vandal Proof
Mini Dome Camera



MENU OPERATION

01

--- MAIN MENU---	
> WDR MODE STANDARD	
CAMERA SETTINGS..	
VIDEO ADJUST..	
OPTIONS..	
SAVE/RESTORE..	
EXIT MENU	

- Press the SET button and hold approximately two seconds to access MAIN MENU; use the button to enter a menu or to select a menu option.
- Use the UP and DOWN buttons to move vertically to and between menus and options.
- Use the LEFT and RIGHT buttons to move horizontally to and between menus and options.
- Whenever the PREVIOUS PAGE option appears, select it and press SET to leave the current menu and return to the previous menu.

WDR

02

--- MAIN MENU---	
> WDR MODE STANDARD	
CAMERA SETTINGS..	
VIDEO ADJUST..	
OPTIONS..	
SAVE/RESTORE..	
EXIT MENU	

-- WDR USER DEFINED ADJUST--	
> WDR BIAS	-36-----36
WDR LIMIT	0 -----20-----36
EXP. BIAS	-18-----0-----18
PREVIOUS PAGE.	

WDR MODE	STANDARD / HIGH / OFF / USER DEFINED
USER DEFINED -->WDR USER DEFINED ADJUST	
WDR BIAS	-36 ~ 36
WDR LIMIT	0 ~ 36
EXP. BIAS	-18 ~ 18

CAMERA SETTINGS

03

-- CAMERA SETTING--	
> VIDEO STANDARD	NTSC
CAMERA TITLE	ON..
LENS TYPE	AUTO..
SYNC MODE	INT
COLOR BAR	OFF
PREVIOUS PAGE.	

VIDEO STANDARD	NTSC / PAL
CAMERA TITLE	ON / OFF
ON->CAMERA TITLE SETTING	
TITLE TEXT	18 CHARS MAX
TITLE POSITION	25 ~ 100
LENS TYPE	MANUAL / AUTO
AUTO->LENS ADJUST	
DC LEVEL	0 ~ 255
AI THRESHOLD	-42 ~ -18~60
SYNC MODE	INT / LL
LL->VERTICAL PHASE ADJUST	
V PHASE	0 ~ 624
COLOR BAR	ON / OFF

-- CAMERA TITLE SETTING--	
> TITLE TEXT:	SWDR CAMERA
TITLE POSITION	TOP-LEFT
PREVIOUS PAGE.	

--LENS ADJUST--	
> DC LEVEL	0---120---255
AI THRESHOLD	-42 ---18~60
PREVIOUS PAGE.	

--VERTICAL PHASE ADJUST--	
> V PHASE	0----519----624
PREVIOUS PAGE.	

VIDEO ADJUST

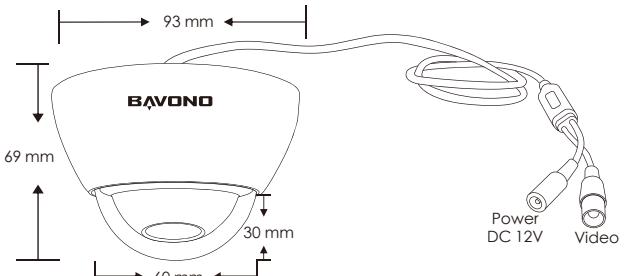
04

-- VIDEO ADJUST--	
> GAMMA	AUTO
SATURATION	< 0 >
SHARPNESS	< 0 >
VIDEO LEVEL	< 100 >
DNR	ON
COLOR/MONO	OFF
MIRROR	OFF
RESOLUTION	520TVL
PREVIOUS PAGE.	

GAMMA	AUTO / MANUAL
MANUAL-> GAMMA MANUAL	
GAMMA	25 ~ 100
SATURATION	-8 ~ 8
SHARPNESS	-8 ~ 8
VIDEO LEVEL	80 ~ 150
DNR	ON / OFF
COLOR / MONO	ON / OFF
MIRROR	AUTO / OFF
RESOLUTION	520TVL / 540TVL

-- GAMMA MANUAL--	
> GAMMA	< 45 >
PREVIOUS PAGE.	

Product Wiring Diagram



OPTIONS

05

--- OPTIONS PAGE --	
> WHITE BALANCE..	
AGC	NORMAL
AE PREFS	SHADOWS
BLC	OFF
TRUE DAY/NIGHT	ON..
DEFECT PIXEL CALIB..	
PREVIOUS PAGE.	

-- WHITE BALANCE--	
> WB MODE	ATW
WB BIAS	-2K-----2K
PREVIOUS PAGE.	

-- RED/BLUE ADJUST--	
> RED	-18 -----20
BLUE	13 -----20
PREVIOUS PAGE.	

Specifications

Model	BVO304P
Video Standard	PAL NTSC
Image Sensor	1/3" Pixim D1500R, Digital Pixel System®(DPS)
Effective Pixels	720(H) X 540(V)
Pixel Size	7um x 7um
Horizontal Resolution	540TVL
Dynamic Range	102 dB(typical) - 120 dB(maximum)
White Balance	ATW / AWB / Manual
Minimum Illumination	Color: 0.8Lux (F1.2, 50IRE); Slow Shutter: 0.08Lux
Day / Night	Auto (Auto ICR optional)
Auto Gain Control (AGC)	Low / Medium / High / Custom
Digital Noise Reduction (DNR)	Built-in, On or Off selectable
Gamma Correction	Auto / Manual
Iris	DC / Video selectable (DC iris level adjustable)
Configuration	OSD Menu
Camera Title	Maximum 18 characters
S/N Ratio	More than 50dB
Video Output	1.0V p - p Composite Video Output, 75 Ohm
Power Requirement	DC 12V
Power Consumption	300mA
Mounting	C / CS Mount
Synchronizing System	Internal
Operating Temperature	- 10° C ~ +50° C
Shell Material	Vandal Proof Metal
Shell Color	Black / White
Dimensions (mm)	93 (Ø) x 69 (H)
Weight (g)	384

Note

- Please use the connector of the camera to a DC 12V regulated power supply.
- The tolerance of this unit is DC 12V ± 10 %
- Over the maximum DC 12V power input will damage the video output connector (VIDEO OUT)

	CAUTION RISK OF ELECTRIC SHOCK	
Caution: To reduce the risk of electric shock, do not expose this apparatus to rain or moisture. Only operate this apparatus from the type of power source indicated on the label. The company shall not be liable for any damages arising out of any improper use, even if we have been advised of the possibility of such damages.		